

Vincent Ming Han Tee

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EDUCATION

University of Malaya

Bachelor of Science, Physics

CGPA: 3.97/4.00

Kuala Lumpur, Malaysia

Oct. 2020 – Feb. 2024 (Expected)

EXPERIENCE

European Organization for Nuclear Research (CERN)

Summer Intern

Skills: ROOT, C++, Statistics, Linux

Geneva, Switzerland

Jul. 2023 – Aug. 2023

- Selected as the sole Malaysian representative to conduct a cutting-edge computational physics research
- Simulated, analyzed and visualized complex datasets using C++ to investigate the intricate relationship between partons and jets — an integral aspect of particle physics research
- Discovered meaningful physics insights and identified potential issues for future study through an in-depth examination of the radius-dependence of jet observables

National Centre for Particle Physics

Research Assistant

Skills: Python, ROOT, C++, Statistics, Linux

Kuala Lumpur, Malaysia

Jul. 2022 – Jun. 2023

- Presented a new jet mass calibration method to the CMS collaboration at CERN, addressing issues about the robustness of the existing method
- Utilized sophisticated computational and statistical techniques with Python to achieve a jet mass scale uncertainty of less than 1.5%, ensuring the precision and robustness of the calibration method
- Ensured the reproducibility of the method within the working group by writing clean and well-documented code

SKILLS

- **Front end:** React, Tailwind CSS, HTML, CSS
- **Back end:** Node.js, Express.js
- **Languages:** Python, Javascript, C++
- **Databases:** MySQL, MongoDB, Redis

PROJECTS

Learn | *React, Tailwind CSS, Node.js, Express.js, MySQL, Redis*

A web app for university students to learn from each other while earning side income.



Stay | *React, Tailwind CSS, Node.js, Express.js, MongoDB*

A full-stack marketplace for people to find the perfect place to stay.



Tech It | *React, Tailwind CSS*

React front-end of an e-commerce platform specifically designed for technology products.



LEADERSHIP

Co-founder and Co-director

National Physics Undergraduate Project Conference

Nov. 2021 – Jun. 2022

Online

- Co-led a team with members from different universities to establish the first national physics undergraduate conference in Malaysia, benefiting 100+ participants and more in the future.

President

University of Malaya Physics Club

Oct. 2021 – Oct. 2022

Kuala Lumpur, Malaysia

- Ensured the advancement of the club by introducing innovative ideas and overseeing the planning and execution of over 10 successful events